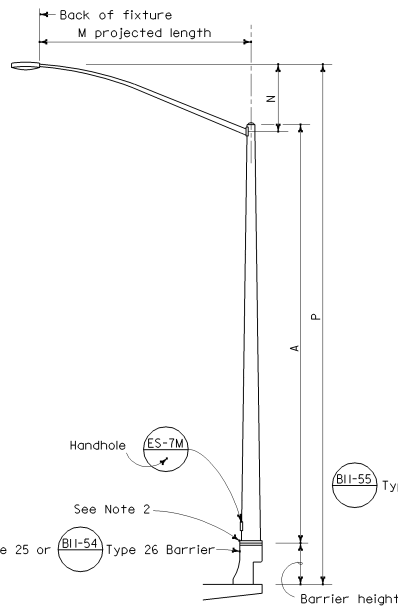
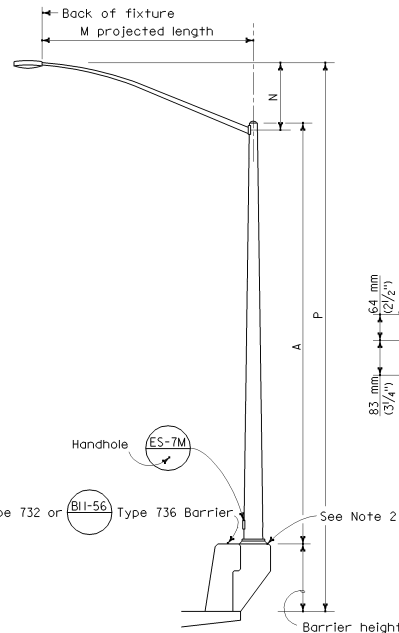


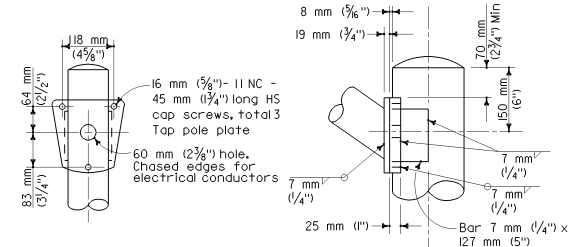
ELEVATION  
TYPE 15  
TYPE 22



ELEVATION  
TYPE 15 BARRIER RAIL MOUNTED  
TYPE 21 BARRIER RAIL MOUNTED

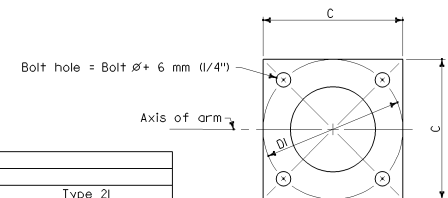


ELEVATION  
TYPE 15 BARRIER RAIL MOUNTED  
TYPE 21 BARRIER RAIL MOUNTED



DETAIL R  
LUMINAIRE ARM CONNECTION

HIGH STRENGTH CAP SCREWS  
16 mm (5/8'') 11 NC (1 3/4'')  
45 mm (1 3/4'')  
Length mm (inches)  
Threads (per inch)  
Size mm (inch)



BASE PLATE

POLE TYPE	POLE DATA				BASE PLATE DATA				LUMINAIRE
	A Height	MIN OD		Wall Thickness	C	DI Bolt Circle	Thick-ness	Anchor Bolts	(See Arm Data m)
		Base	Top					Size	
15	9.1m (30')	203 mm (8")	98 mm (3 7/8")	3.04 mm (0.1196")	305 mm (12")	280 mm (11")	25 mm (1")	25 mm $\phi$ x 920 mm x 102 mm * (1" $\phi$ x 36" x 4")	1.8-4.6 <b>[3.7]</b>
21	10.7 m (35')	219 mm (8 5/8")	98 mm (3 7/8")	3.04 mm (0.1196")	305 mm (12")	305 mm (12")	25 mm (1")	32 mm (1 1/4") $\phi$ see Note 2	1.8-4.6 <b>[3.7]</b>
22	10.7 m (35')	219 mm (8 5/8")	98 mm (3 7/8")	3.04 mm (0.1196")	305 mm (12")	305 mm (12")	25 mm (1")	32 mm $\phi$ x 920 mm x 102 mm (1 1/4" $\phi$ x 36" x 4")	1.8-4.6 <b>[3.7]</b>

\*For barrier rail mount, see Note 2.

#### NOTES:

1. ☐ Indicates arm length to be used unless otherwise noted on the plans.
2. For anchorage details see **ES-6B**.
3. See **ES-6B** when Type 15 is to be mounted on bridge railing.

4. For Type 15-SB, use Type 15 standard with Type 30 base plate details, see Standard Plan ES-6F.
5. For additional notes see Standard Plan ES-7M and ES-7N.
6. For Type 15-SBI, see Standard Plan ES-6C.

LUMINAIRE ARM DATA									
M Projected Length	N Rise	Min OD At Pole	Nominal Thickness	P Mounting Height					
				Type 15	Type 22	Type 15 [80 mm (32") Barrier]		Type 21 [80 mm (32") Barrier]	
1.8 m (6')	610 mm (24")±	83 mm (3 1/4")	3.04 mm (0.1196")	9.6 m (31.5")±	11.1 m (36.5")±	10.4 m (34") ±		11.9 m (39.17") ±	
2.4 m (8')	760 mm (30")±	89 mm (3 1/2")	3.04 mm (0.1196")	9.8 m (32.0")±	9.8 m (32.0")±	11.3 m (37.0")±		10.5 m (34.4") ±	
3.1 m (10')	990 mm (39")±	98 mm (3 7/8")	3.04 mm (0.1196")	10.0 m (32.75")±	10.0 m (32.75")±	11.5 m (37.75")±		10.7 m (35.1") ±	
3.7 m (12')	1290 mm (51")±	98 mm (3 7/8")	3.04 mm (0.1196")	10.3 m (33.75")±	10.3 m (33.75")±	11.8 m (38.75")±		11.0 m (36.1") ±	
4.6 m (15')	1450 mm (57")±	108 mm (4 1/4")	3.04 mm (0.1196")	10.4 m (34.25")±	10.4 m (34.25")±	12.0 m (39.25")±		11.2 m (36.7") ±	
						11.2 m (36.7") ±		12.8 m (41.92") ±	

#### STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION LIGHTING STANDARDS TYPES 15, 21 AND 22

These "Standard Plans for Construction of Local Streets and Roads" contain units in two systems of measurement: International System of Units (SI or "metric") and United States Standard Measures shown in the parentheses ( ). The measurements expressed in the two systems are not necessarily equal or interchangeable. See the "Foreword" at the beginning of this publication.

NO SCALE

ES-6A

DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
July 1, 2002 PLANS APPROVAL DATE No. C41260 Exp. 3-31-03 STATE OF CALIFORNIA					
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Caltrans now has a web site! To get to the web site, go to: <a href="http://www.dot.ca.gov">http://www.dot.ca.gov</a>					